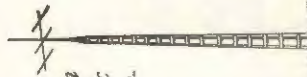


Gene

Van Sickle,

W9KJF

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FEBRUARY, 1962

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PLENTY OF FREE PARKING

The Indianapolis Radio Club meets on the 2nd and 4th Friday of each month at the Indianapolis Park Board Building located at 29th and Harding Streets. Meetings start promptly at 8:00 P.M., Indianapolis time.

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Ama-Chewer is published monthly by and for I.R.C. and all Amateurs in this area. Non-Members of I.R.C. may subscribe at the rate of \$1.00 per year.

Publication is on the 3rd Friday of each month, with all news items and ads due no later than the 1st Friday of each month.

Ham-Ads (5 line limit) are free to members and subscribers. Others may use this facility at the rate of 50 cents per ad.

Ama-Chewer welcomes the forwarding of information on coming events of other clubs in the area for publication in the program section.

PROGRAM PREVIEW

MARCH 9th

Be sure and attend this meeting, as the program includes a film from TecTronics. Not only will the film be of interest, as it deals with that ever popular instrument, the oscilloscope, but as always we will have the usual "bull session" with coffee and doughnuts following the meeting.

MARCH 23rd

Here is another evening that will be of interest to all Club members as well as any of their technically minded friends. The President and the Board of Directors are working hard to get Bob Kryter as our guest speaker. Final confirmation as to the entertainment for this evening will be given at the Business Meeting, March 9th.

Let's all make an attempt to attend both of these meetings as the Board of Directors and the President are trying to go "all out" and bring to our Club some of the more notable speakers in this area.

PROGRAM REVIEW

The meeting of February 9th was spent in a discussion and vote on the acceptance of our Club project, a two meter tranceiver. So much interest was shown in the project that the Chief "Op", Doyle McVicker, is working double overtime in order to get together all the facts and figures for presentation to the Club membership at a meeting in the very near future. These projects have been tried by several clubs, and have met with great success. We feel that ours too, will be successful and very rewarding to each and every individual member of the Club.

The second meeting of the month was scheduled to be held on February 23rd in the Park Board Building. Unfortunately, the weather man was against us. With four inches of snow on the ground and three more on the way down, it was decided that the meeting should be postponed.

PRESIDENT'S FREQUENCY

What do you want the Indianapolis Radio Club to do for you? Only through your continued support and suggestions can our Club continue to be the close-knit, dynamic, club that it is today. Any suggestion is accepted and given full consideration by the Board of Directors. Who knows, maybe your idea will be our next program! Contact one of the officers today, or better yet, send your suggestion to Ama-Chewer. Our paper is the voice of IRC, and its editor will be more than happy to relay all comments and suggestions to me personally.

The interest shown by the members in the new Club project is overwhelming. At the last Business Meeting, the majority of those present voted to have our Chief Operator prepare a report on approximate cost of the project and to construct two prototype units. You will want to read Mac's preliminary report elsewhere in this issue.

I believe we have found the first piece of equipment for the IRC test equipment pool. It was decided that the most important, and therefore the first piece to be purchased, should be a tube tester. This is a basic test instrument, but very few hams have a really good one in their shops.

The test equipment pool is set up to fill the need for equipment that is required only occasionally, not frequently enough to justify purchase by the individual, but still needed in connection with a special problem or project.

Remember the date of March 9th. Hold this evening open for the IRC Business Meeting. Our Directors have been able to obtain a film put out by TecTronics and it is a real good one. I'll be looking forward to meeting all of you then. That's March 9th, see you then.

Ed Ward, K9CRS
President

EDITORIAL

Have you failed as a Radio Amateur? You have if you have failed to run your station in accordance with the Radio Amateur Code.

- I The amateur is gentlemanly - he never knowingly uses the air for his own amusement in such a way as to lessen the pleasure of others.
- II The amateur is loyal - he owes his amateur radio to the American Radio Relay League, and he offers it his unswerving loyalty.
- III The amateur is progressive - he keeps his station abreast of science. It is well built and efficient. His operating practice is clean and regular.
- IV The amateur is friendly - slow and patient sending when requested, friendly advice and counsel to the beginner, kindly assistance and cooperation for the broadcast listener; these are marks of the amateur spirit.
- V The amateur is balanced - radio is hobby. He never allows it to interfere with any of the duties he owes to his home, his job, his school, or his community.
- VI The amateur is patriotic - his knowledge and his station are always ready for the service of his Country and his community."

Paul M. Segal

Only by observing these six "Golden Rules" and practicing good sportsmanship, on the air as well as person to person, can the ham really be a radio amateur.

Honestly, have you failed?

SPLATTER

An Indianapolis ham recently indulged in a flagrant case of that unpardonable sin of amateur radio; transmitting without listening first.

This fellow was testing a rig on 75 meters with an uncommonly long series of whistles, "ah's", "Hello's", "1, 2, 3's" and other assorted gobbledegook. This was bad enough in itself, but then the fellow betrayed his own ignorance and lack of manners by saying, apparently to someone else in the room, "I'm not listening on this frequency. I don't even have a receiver."

It takes hours and hours of work by sincere hams following good operating procedure to overcome the harm one did like that one can do in a few minutes.

Have the 75 meter mobile operators gone underground? At least one active Indianapolis operator (who incidentally is not a mobileer) thinks so.

This fellow has commented that just about all mobile stations have left the air for the Winter. This could be so, but if it is true, how can you explain the fact that on one of the coldest nights of the Winter, when the mercury plunged to about 10 or more below zero, the Central Indiana Mobile Radio Club had one of the largest turnouts in many a month? But then, not a single one of the members was on the air while on the way to the meeting! It looks like the operators are still circulating, but their transmitters must be underground.

TNX to Marsh Lincoln, K9KTL

VAN SICKLE SPECIALS

Johnson Adventurer Transmitter.....	\$ 25.00
Heath 6er.....	\$ 39.95
Heath Apache.....	\$249.00
Heath Side Band Adapter.....	\$ 89.00
Gonset Communicator IV.....6 meters.....	\$299.00

SEE NEW CRANK UP TOWER MODEL

CLEGG 99'ER STILL BEST BUY FOR 6 METERS

INDIANAPOLIS RADIO CLUB PROJECT

It has been suggested several times in the past that our Club should sponsor a building project. At the January Board of Directors Meeting, this was again brought up for discussion, with the majority of the officers favoring a two meter tranceiver project.

The Chief Operator was detailed to investigate appropriate circuits, two of which were found. For several reasons, some economic and some technical, it was decided at the February Board of Directors meeting to submit the Wheaton Community Amateur Radio Club project, "The Club Saver Two Meter Portable" as the project for the consideration of the Club.

This project appeared as a construction article in the October 1957 issue of QST and had as its author, Robert F. Tschannen, W9LJO. This article described a tranceiver portable, less power supply, using six tubes in its circuitry with three of these being dual section tubes. A 6U8 is used as a harmonic amplifier - tripler driving a 5763 doubler - final in the rf portion of the transmitter circuitry. The receiver consists of a 6CB6 rf stage, 12AT7 mixer - oscillator, 6U8 superregenerative detector - first audio and a 6AQ5 audio output stage. The first audio triode section of the 6U8 in the receiver has a carbon mike transformer in its cathode circuit so that it doubles as a speech amplifier driving the 6AQ5 as a modulator when the send-receive switch is in send position.

The circuit and some of the mechanical details were described at the February Business Meeting of the Club by the Chief Operator. After some discussion on power supplies and the explanation of the reasons for not including one in the initial design of the unit, the President, Ed Ward, K9CRS, asked for a show of hands of those members present who wished to participate in the project. The President then entertained a motion to put the Club in the project with the parts for two prototype units to be purchased with Club funds. The two units so constructed to become Club property and be available for loan as other Club property is. This motion was made and seconded and when put to a vote was declared passed unanimously.

Ed Ward, President, then indicated that Chief Operator,

Doyale McVicker would be in charge of the project, ably assisted in the draftmanship department by Club Trustee, Alvey Pittman, W9JJC.

At the present time, appropriate parts lists, preliminary drawings and other project plans are being drafted for the approval of the Board of Directors, so that actual construction on the prototype units may be started. It is hoped that we may have the sample units with construction plans and drawings available to those who wish to participate in the project at an early meeting of the Club.

DE W9JZV, Ch. Op.

NOTEWORTHY NEWS

The attention of amateurs interested in DX work is called to the addition of the Kamaran Islands to the ARRL Countries List. DXCC credit claims for this addition will not be acceptable until February 1, 1962. Official announcement of this addition was made in the December issue of QST.

The winner of the 1961 Edison Award is William G. Welsh, W1SAD of Burbank California and formerly of Cambridge, Mass. W1SAD's extraordinary work in conducting code and theory class from 1951 through 1961 resulted in over 2800 people becoming licensed amateurs. His booklet on teaching radio classes has been a guide to radio clubs throughout the country conducting these educational programs. Special citations were also awarded to George Thurston, W4MLE for his organizational leadership in forming the Florida AREC Plan, Eugene M. Link W0IA manager and NCS of the Colorado Amateur Weather Net that was an invaluable aid to the Weather Bureau in observations, and to Robert T. Herndon, W5URW for his emergency communications in Hurricane Carla. Formal presentation of the Edison Award will be made in a ceremonial dinner in Washington on March 1st.

Smokey Joe, W9DCW of Pendleton was passing out cigars as his wife had presented him with a baby girl, Judith Kay Armstrong. LeRoy Waggoner, W9YMW had just been named co-ordinator for this district. He immediately being active, one of his first acts was to drive to Muncie to meet with Harry Miller, W9AB then SCM and others up that way. He was accompanied by W9DNQ and W9DYI.

Tiny Anderson, W9GVW, who had broken both ankles in a fall down a pole, had his picture in the papers as a result of having a rig on the air from his Methodist Hospital bed. He had both limbs in a cast and was operating the rig from bed.

W9YMW had just received his Class A and that night went on the air as OB station and read a QST Bulletin concerning the FCC ruling canceling Class A privileges for the duration.

George Merritt put on an impromptu program at Club on digging wells (his trade) and water witching which proved very interesting.

Mr. Emmitt Belzer of Bell Telephone put on a FB program with plenty of equipment to show and demonstrate. His subject was "Telephone and Radio Communications" which also included Transatlantic radiotelephony.

Paul, W9BHC and Dorothy Nelson announced the birth of a daughter, Margaret Annette. (The writer just attended her wedding last month, so it proves twenty years have passed.)

Harry Butler was home on leave from the Navy and attended Club and told of his experiences.

de Bob Caskey, W9DNQ

GRAHAM'S SPECIALS OF THE MONTH

SPECIAL OF THE MONTH...Johnson Viking Thunderbolt....
 KW Linear...ONLY..... \$225.00
 Hallicrafter SX 111....\$239.00-Hallicrafter SX 140... \$ 92.50
 Hallicrafter SX 110....\$124.50-Hammarlund HQ 129-X... \$114.50
 Hammarlund HQ 110-C....\$185.00-Johnson Viking Ranger. \$167.50
 Gonset GSB-201..Linear.\$359.00-Central Elec. 20-A.... \$174.50

One amateur was electrocuted and another had a close call recently, both caused by failure of bypass capacitors in the primary circuitry of the AC power supply. These accidents could have been avoided by use of a common ground system linking all equipment chassis to a water pipe or other good ground. Send stamped, self-addressed envelope with a note to ARRL requesting copy of the Safety Code. Switch to safety and stay alive!!

COVER STORY

Man-like, we're really pickin' up on the V.H.F. jazz. All the cats are rockin' and boppin' all night long. We just don't dig you squares down on 75 and 40. Get with it, man, dig that eight beat jazz and really move out on 6 and 2 meters. It's like, dreamsville, Big Daddy! No QRM, or that kind of noise, only the sweet, sweet sound of, Rush. It's like bein' in the Cosmos, man! Crazy!

What more can an editor add after such an enlightening oration? The advantages of working fellow amateurs on these V.H.F. bands are so numerous as to completely fill one issue of the Ama-Chewer. Where else in the spectrum can one find phonenets, AREC nets, Army and Air Force Nets, experimenters, casual conversationalists, and Kool Kats such as the one on this month's cover. Hams of all types, and personality traits abound in the far-reaching corners of the V.H.F. spectrum. Give it a try! Who knows, deep down inside your psyche, you may be a real gone ham.

It's time again! Time to be sure and remind all our readers to call, write, or contact one of our Club officials, the editor of our paper, or Pat Husk, K9EUQ, and let us know if you have changed your address recently. We like to keep this information at hand so that next time we won't have such a long, hard job of compiling data for the Marion County Directory. By the way, we have noticed that there are still copies of the Marion County Directory available at both of the leading radio amateur suppliers in the area.

The following article is a summary of an original article that appeared in the Chicago Sunday Tribune, December 17, 1961. We felt that it might be of interest to some of the wealthier hams in the area that happen to be interested in mobile operation. As the article itself says, "--This car is probably the most elaborate amateur radio station on wheels...."

John Vincent Leon, a salesman from Massapequa, New York, drove his Cadillac to Chicago recently, bringing with him what is probably the world's most elaborate amateur radio station on wheels. The car generates enough electric power for a small neighborhood - 4 kilowatts. Vince, K2HQE, has equipped his car with seven antennas, three commercially built transceivers, and is able to cover every ham band from 3.5 megacycles to 144 megacycles, the 80 meter band up through the 2 meter band. The entire car is powered -- not only the usual power steering, brakes, seats and windows, but even power motors lift the trunk lid where there are two extra storage batteries. There are five miles of wire inside the car, and some cables weigh a pound a foot and have fuses six inches long. Under the hood is a total ampere hour capacity of 320 ampere hours. The car and equipment weighs three tons and literally puts the world at Vince's fingertips.

To protect this \$14,000 investment from thieves, Leon has a burglar alarm system - burglar-proof in itself - which sets off sirens under the hood if vandals tamper with any of the radio equipment.

What does Vince have to say about all this? "My only purpose is to prove that mobile radio operation can be as satisfactory and reliable as operation from fixed stations. Some hams refuse to believe I am in a car until I drive up to their houses."

Apparently, one interested ham on the staff at Tribune Tower asked Vince if he had anything useless on the car. "Yes", he replied, "I have never turned on the broadcast radio."

FCC has now officially proposed in Docket 14507 to charge fees for licensing services. Amateur applications would require a five dollar fee whether new, renewal, modification, or duplicate. Fees for other services range from two dollars for lowest grade commercial operator to two-hundred-fifty dollars for a television broadcast station. April QST will carry details to permit amateur comment by deadline of April 16th.

SHOP TALK

A small sphere or cone fashioned from children's modeling clay makes a good holder for small screw drivers, drills scribes, etc.

Try wiping tools with wax paper occasionally. This gives them a rust preventative coating without involving the messiness of grease or oil.

An ordinary vacuum-tube volt meter, coupled by means of an rf probe to the output circuit of a transmitter, serves well as a sensitive "feed through" indicator while neutralization adjustments are being made. With excitation and filament voltages applied to the final amplifier tube (be sure to kill the plate and screen voltages), adjust the neutralizing capacitor for minimum reading on the v.t.v.m.

If the transmitter is completely shielded and coupled to a coaxial output line, insert a coax Tee-coupler between the amplifier and the line in order to provide a tap point for the rf probe.

Shim stock for enlarging the diameter of an undersized control shaft may be obtained from almost any empty toothpaste or shaving cream tube. Strips of metal cut from these tubes are pliable enough to be easily and tightly wrapped around the shaft, yet not so soft that coupler set screws will bite too deeply into it.



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